

## EAST Search History

Ref #	Hits	Search Query	DBs	Default Operator	Plurals	Time Stamp
L1	295	upflow near3 (reactor or vessel) and catalyst near2 bed and (screen or divid\$4 or perforat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:31
L2	155	upflow near3 (reactor or vessel) and catalyst near2 bed and (screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:33
L3	238	upflow near3 (reactor or vessel) and catalyst near2 bed and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:34
L4	270	upflow near3 (reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:35
L5	276	upflow near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:35
L6	797	(upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:37
L7	147	(upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (rotor or distributor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:38

## EAST Search History

L8	102	(upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (rotor or distributor) and (collect\$4 or gather\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:38
L9	141	(upflow or upstream or up near stream or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and ( distributor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:38
L10	57	(upflow or up near flow) near3 (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and ( distributor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39
L11	22	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and ( distributor)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39
L12	152	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near2 (bed or bottem or support) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39
L13	126	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:40
L14	0	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or divid\$4 or perforat\$4) and (agregat\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39

## EAST Search History

L15	0	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 )	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39
L16	212	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:39
L17	109	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:40
L18	101	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower)	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:40
L19	17	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distributor	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:41
L20	76	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:41
L21	54	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:41

## EAST Search History

L24	0	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4 and perforat\$4 and jacket	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:42
L25	10	(upflow or up near flow) near (apparatus or reactor or vessel) and catalyst near (bed ) and (mesh or sieve or screen or perforat\$4) and (agregat\$4 or cluster\$4 or mass) and (upper or lower) and distribut\$4 and collect\$4 and perforat\$4	US-PGPUB; USPAT; USOCR; EPO; JPO; DERWENT; IBM_TDB	OR	ON	2006/06/07 17:42